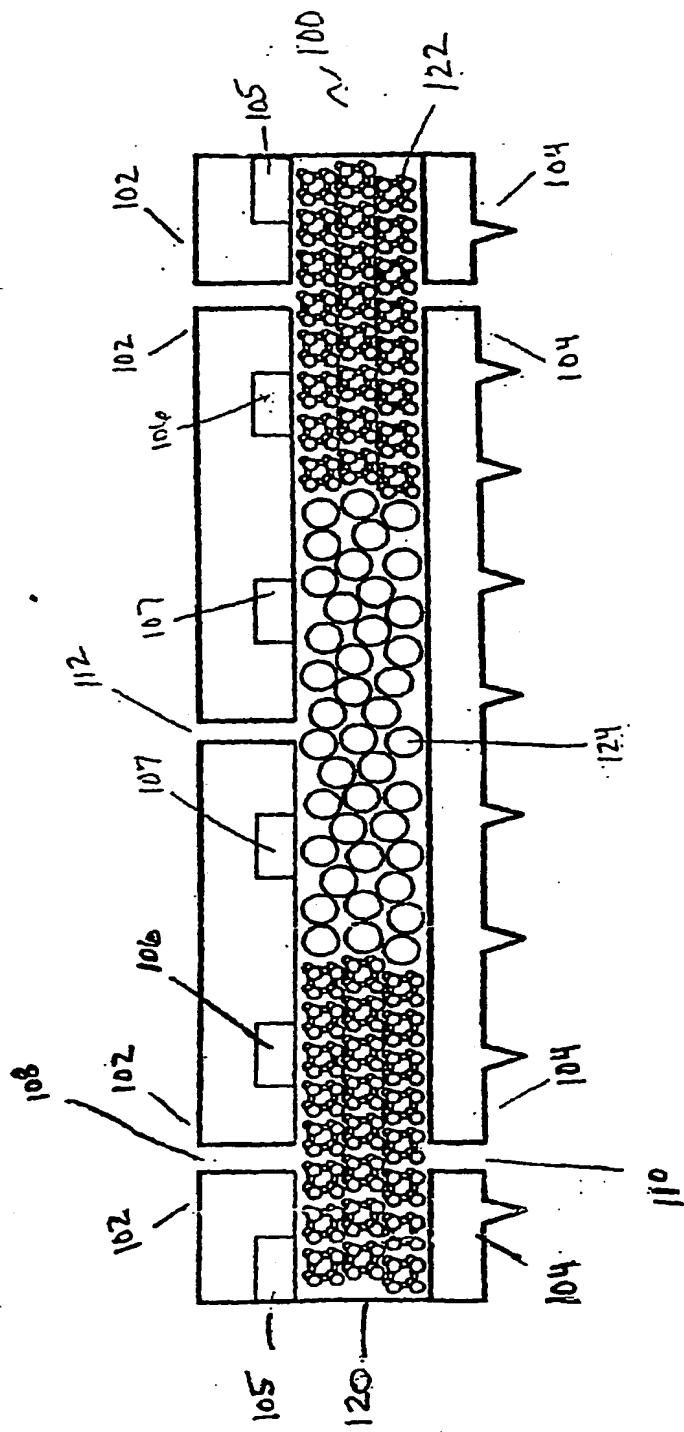


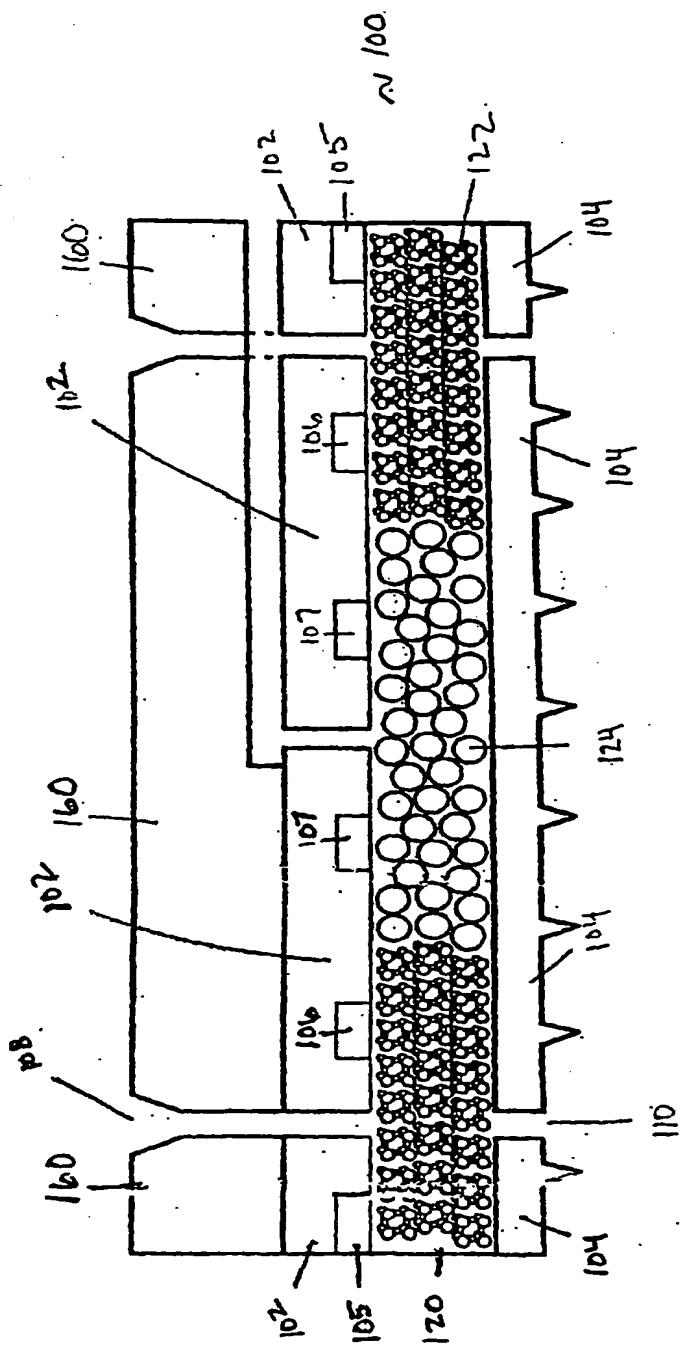
FIGURE 1A



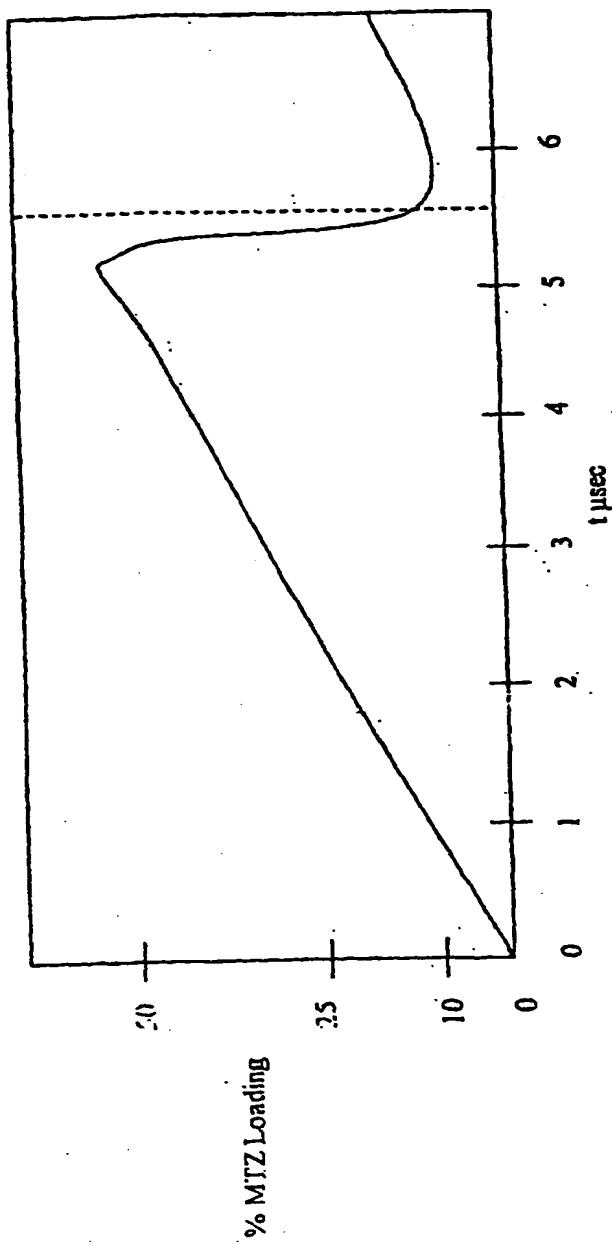
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FIGURE 1B



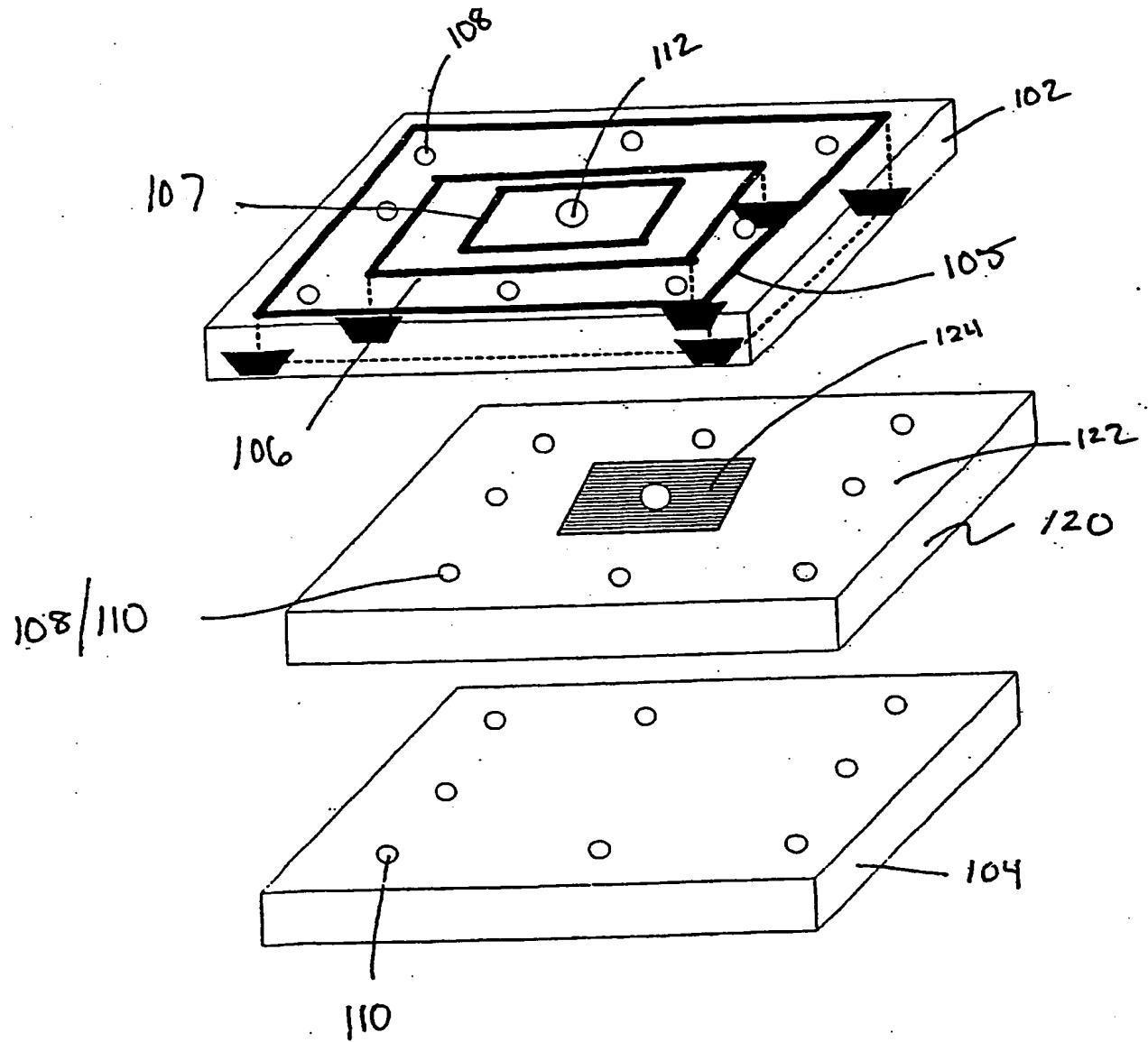
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FIGURE 1C

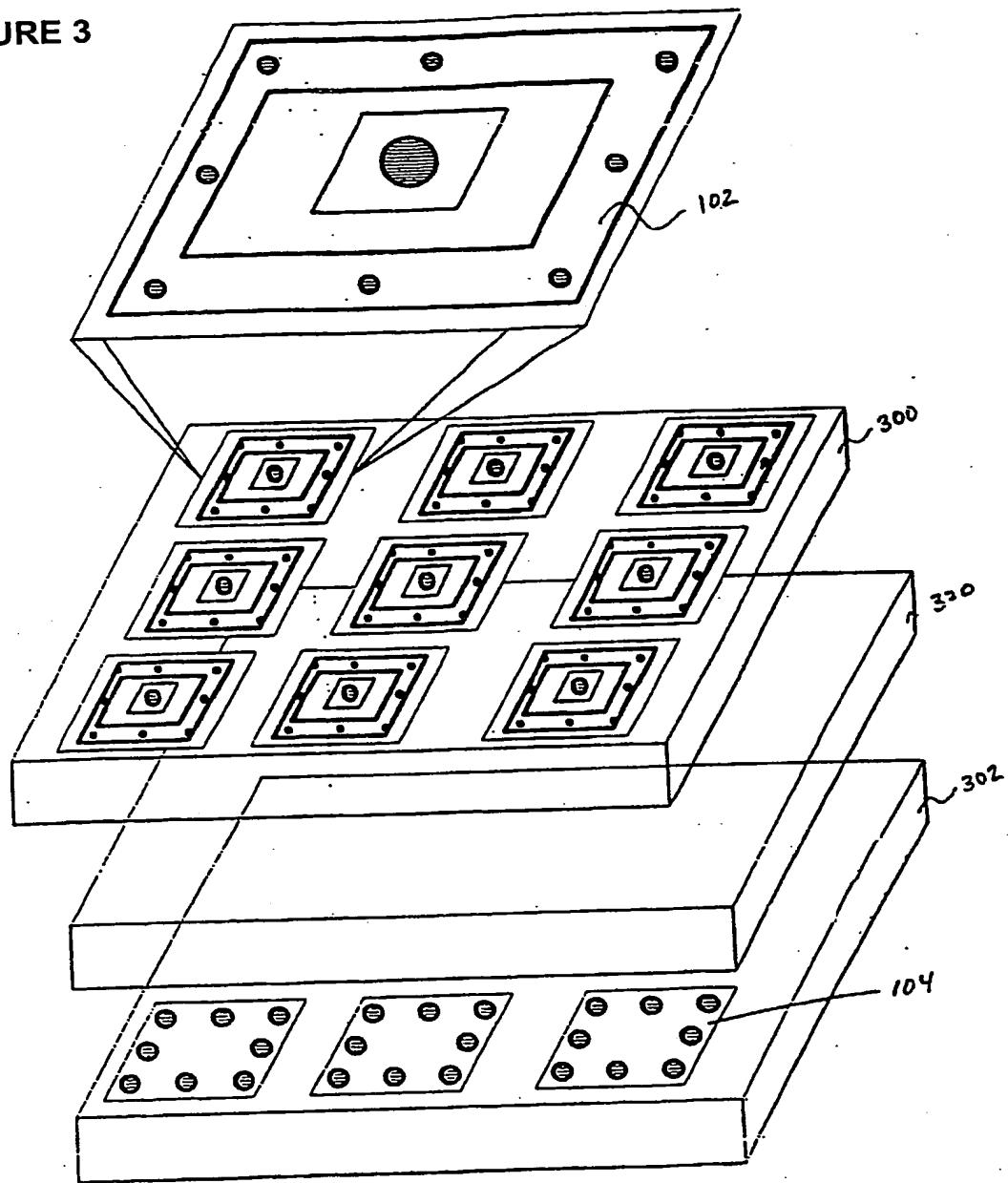
The process is referred to as continuous because it does not cycle between vessels, but, obviously, has periodicity.

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FIGURE 2

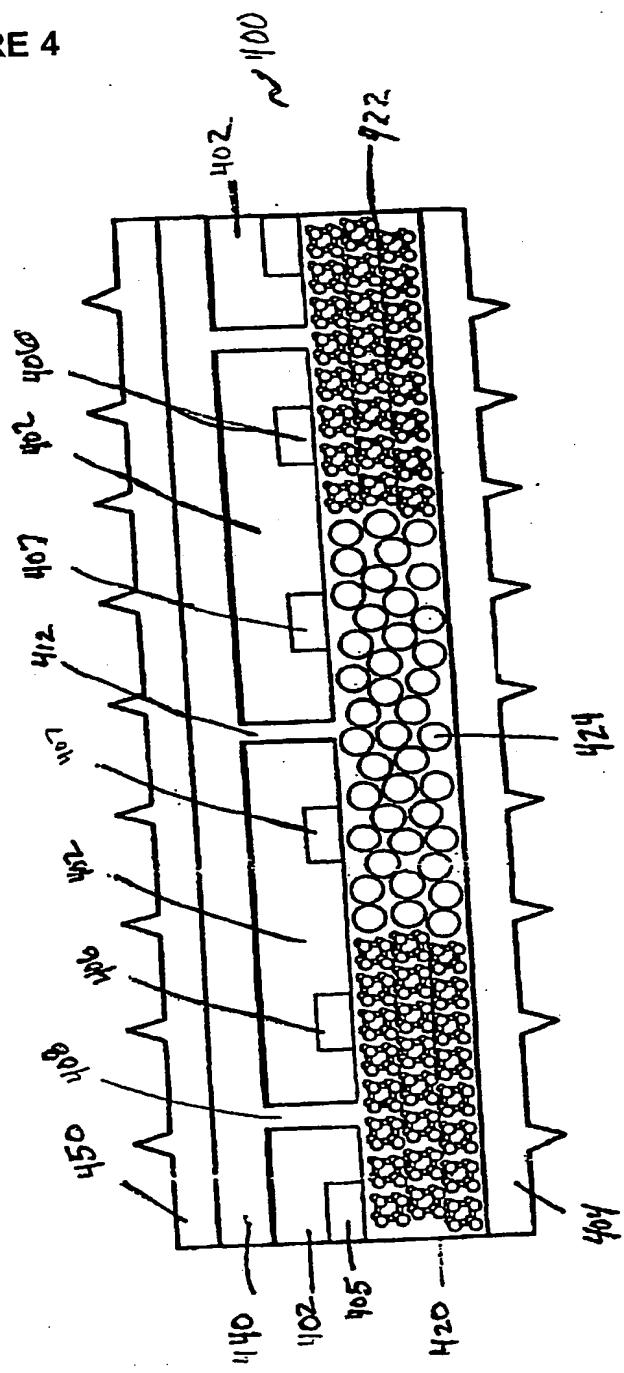


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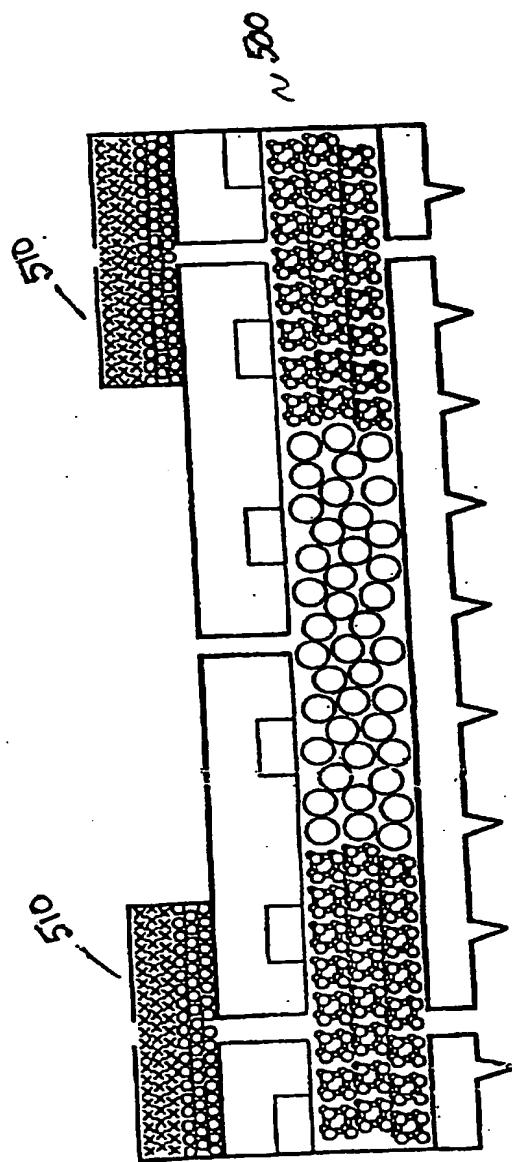
FIGURE 3

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FIGURE 4

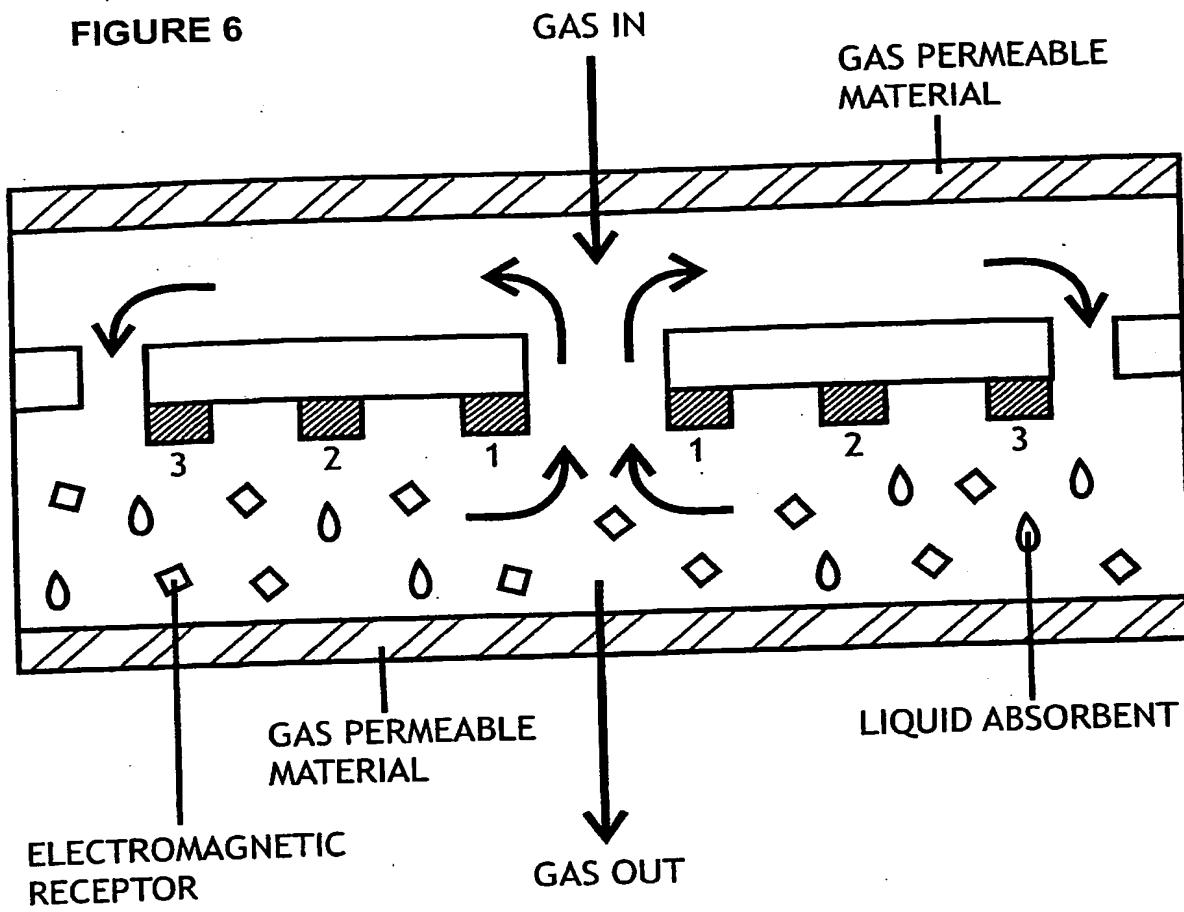


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FIGURE 5

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FIGURE 6

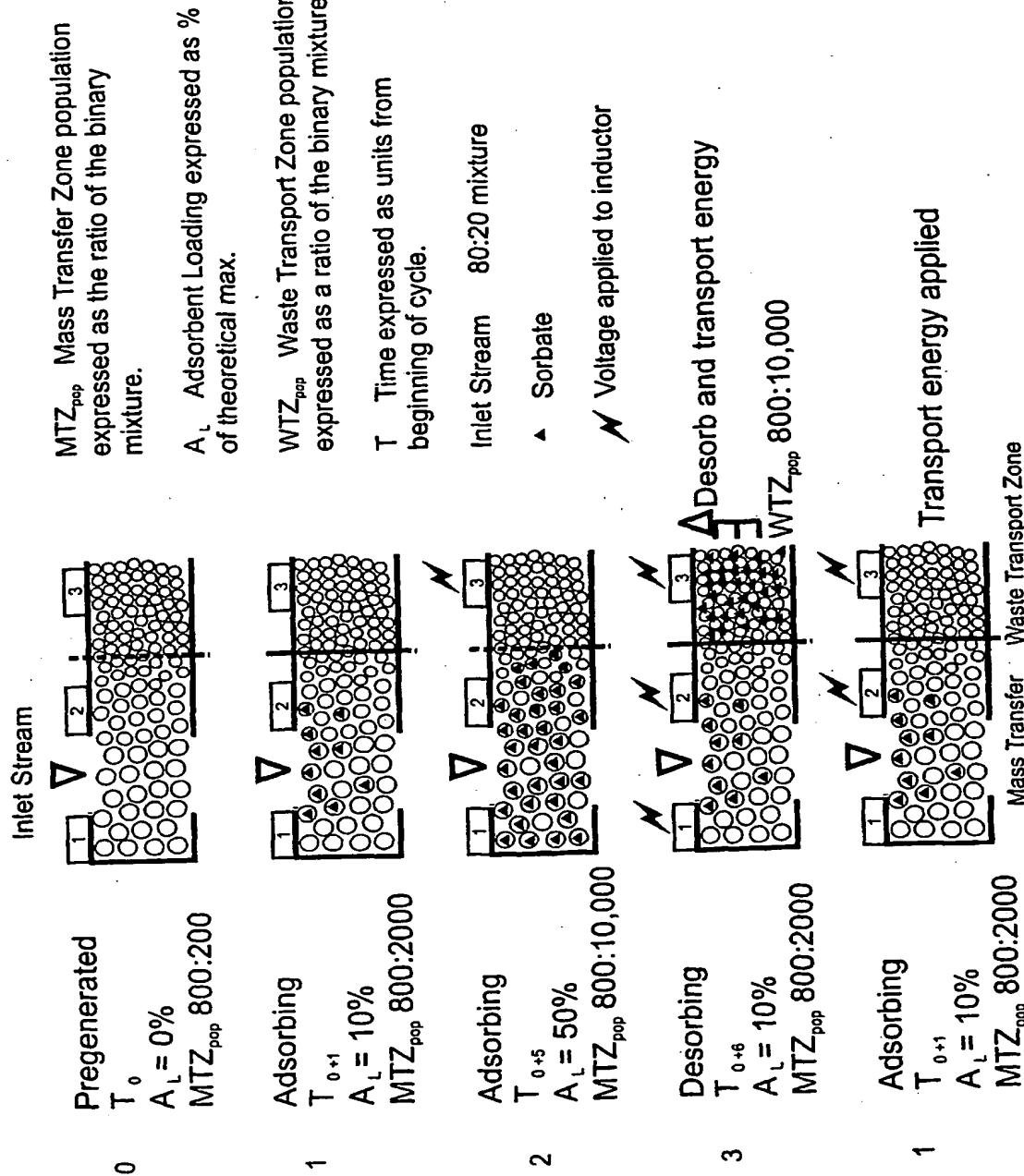


LIQUID ABSORBENT CONTRACTOR

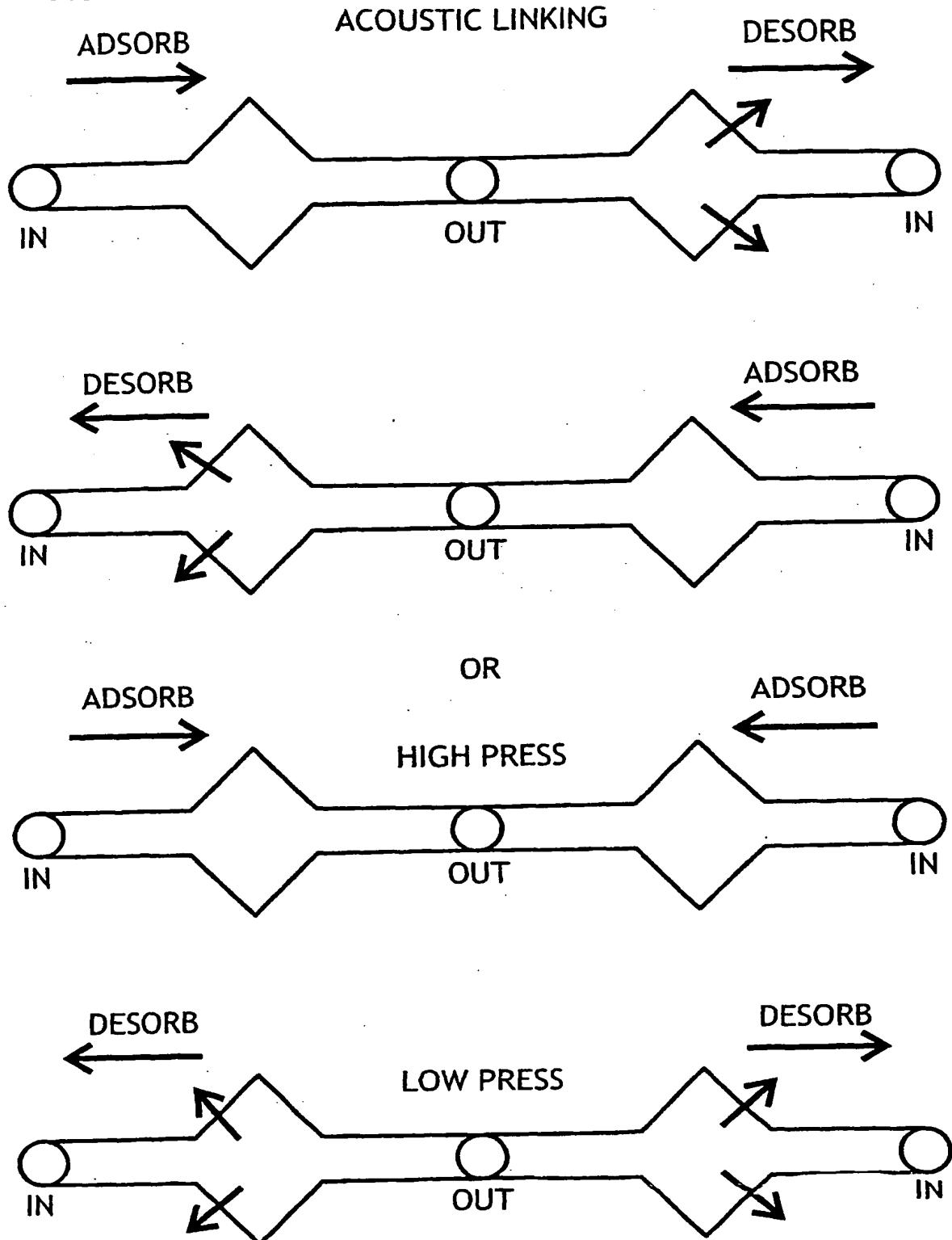
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FIGURE 7

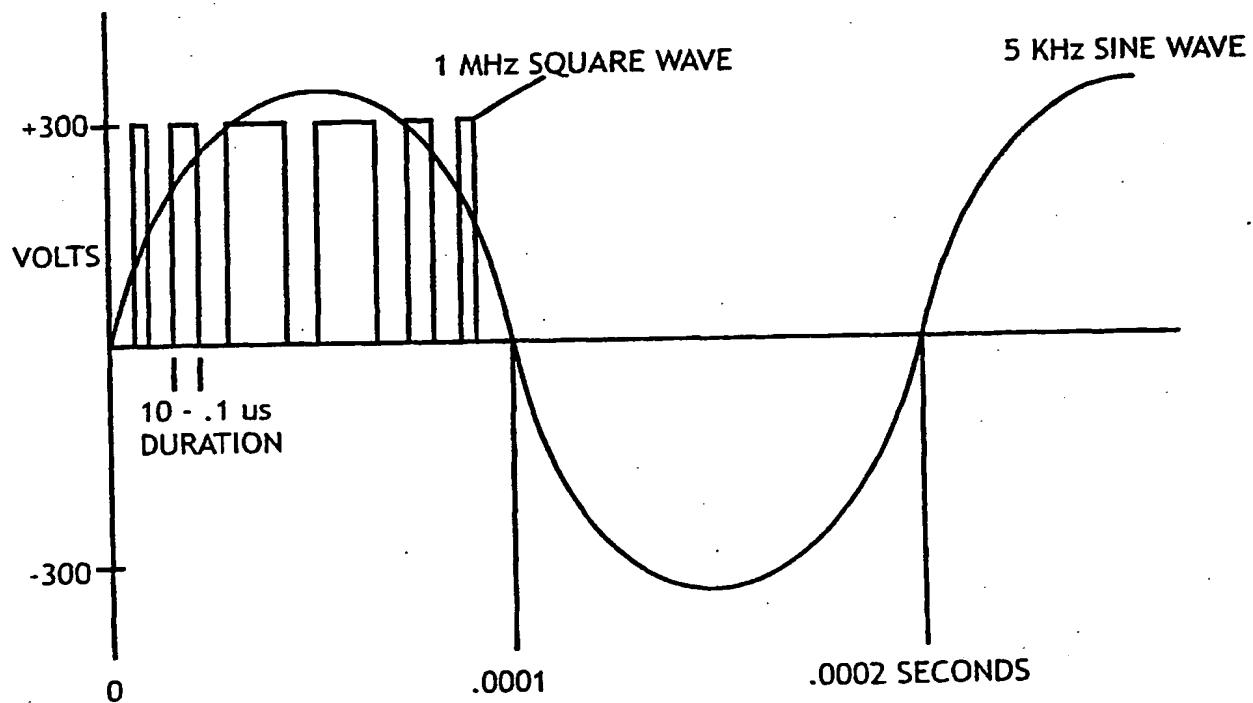
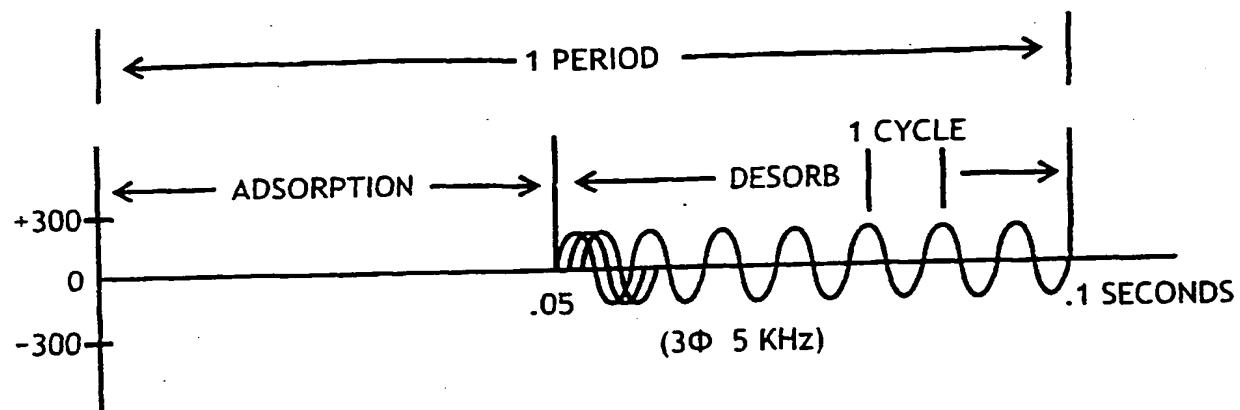
Continuous Adsorption Steps



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FIGURE 8

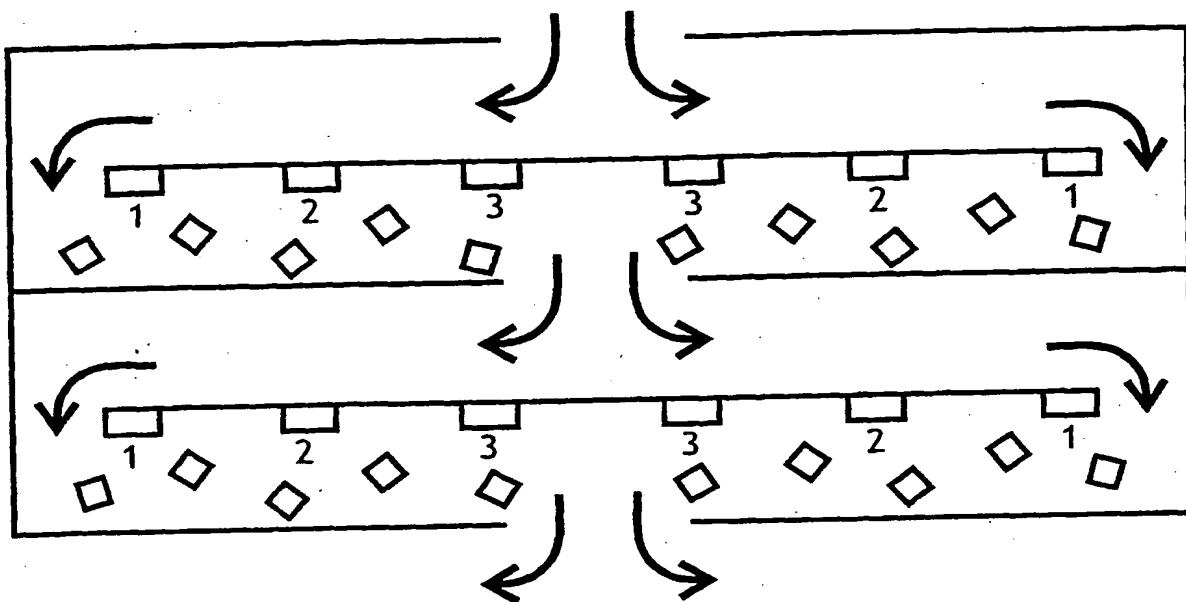
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FIGURE 9

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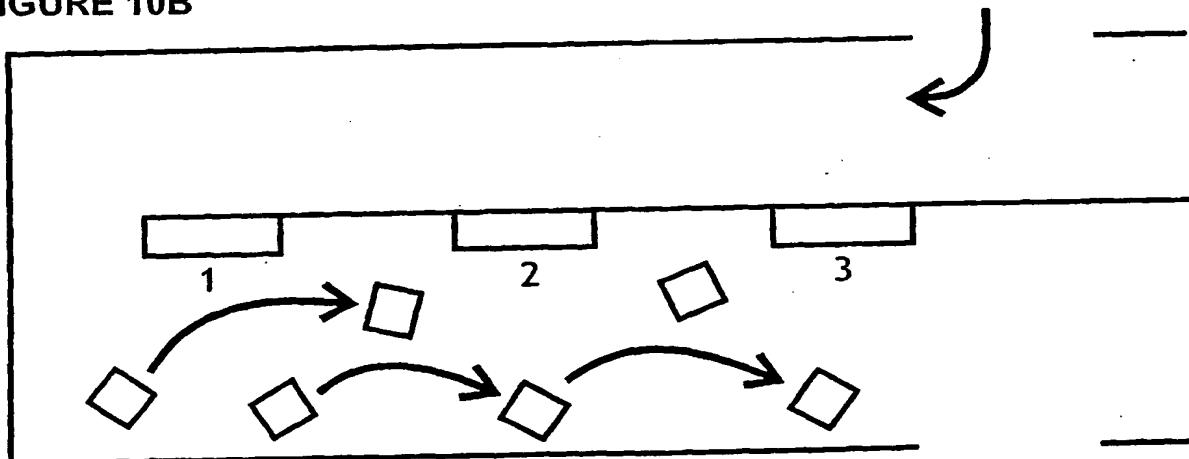
CASCADED VACUUM PUMP

FIGURE 10A



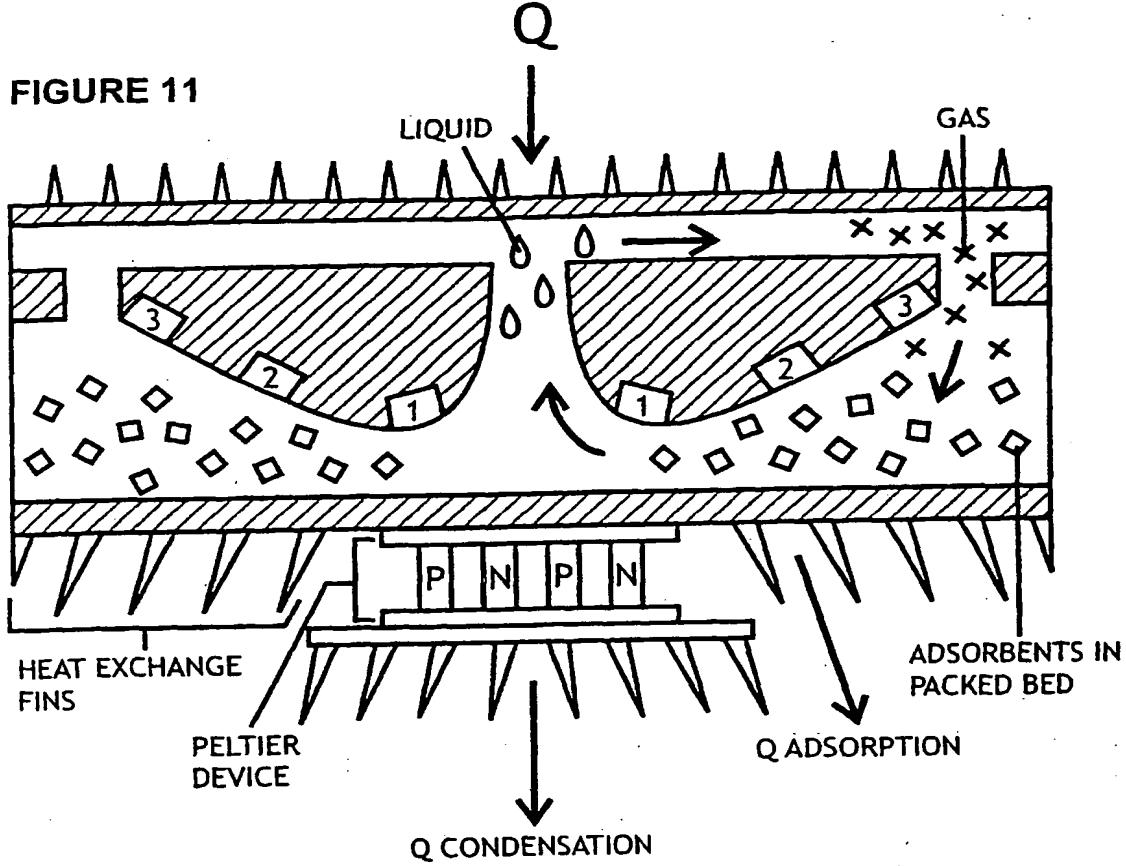
DESORPTION - ADSORPTION SITE HOPPING PHENOMENON

FIGURE 10B



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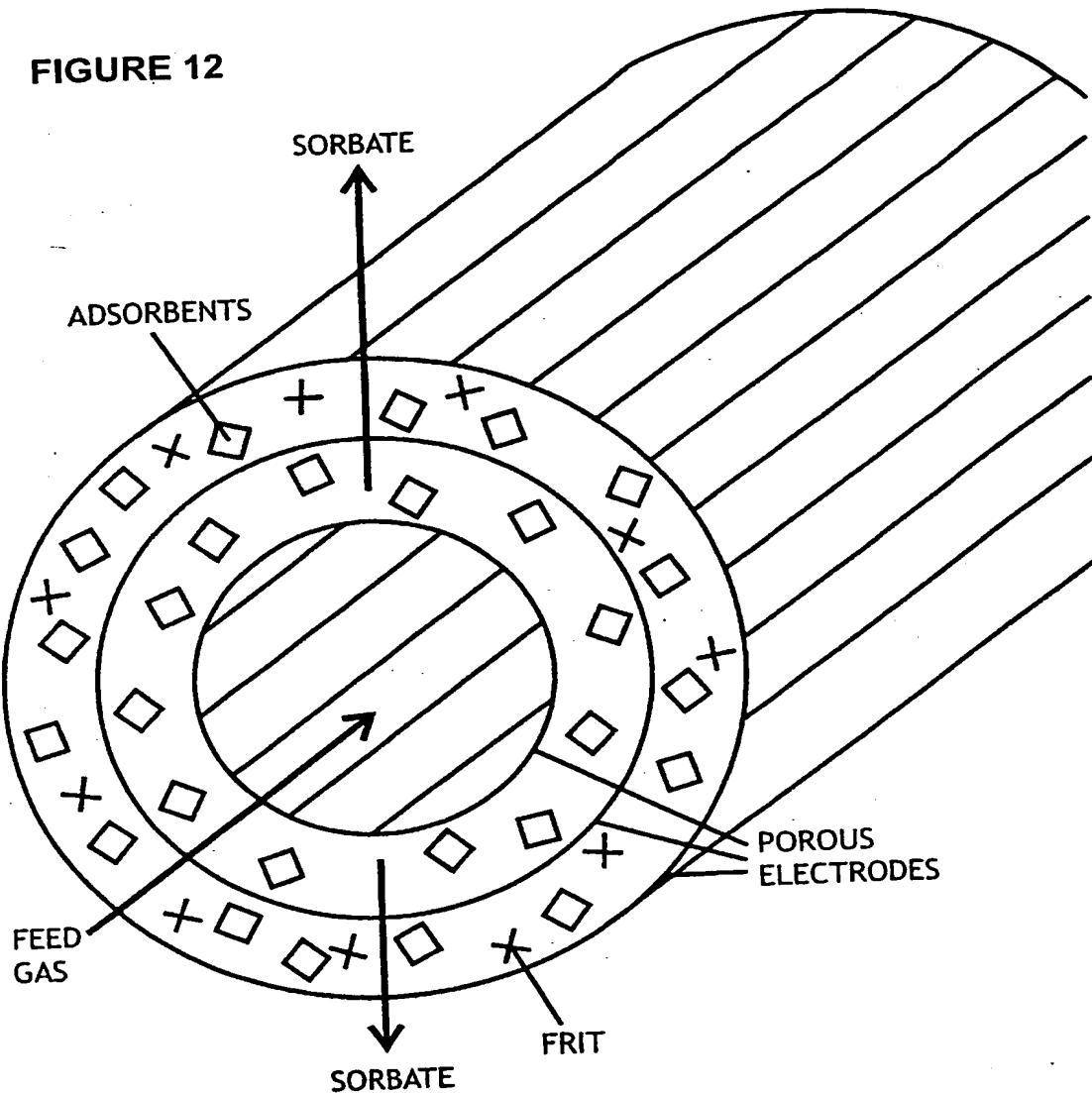
FIGURE 11



THERMOELECTRIC ASSISTED HEAT PUMP

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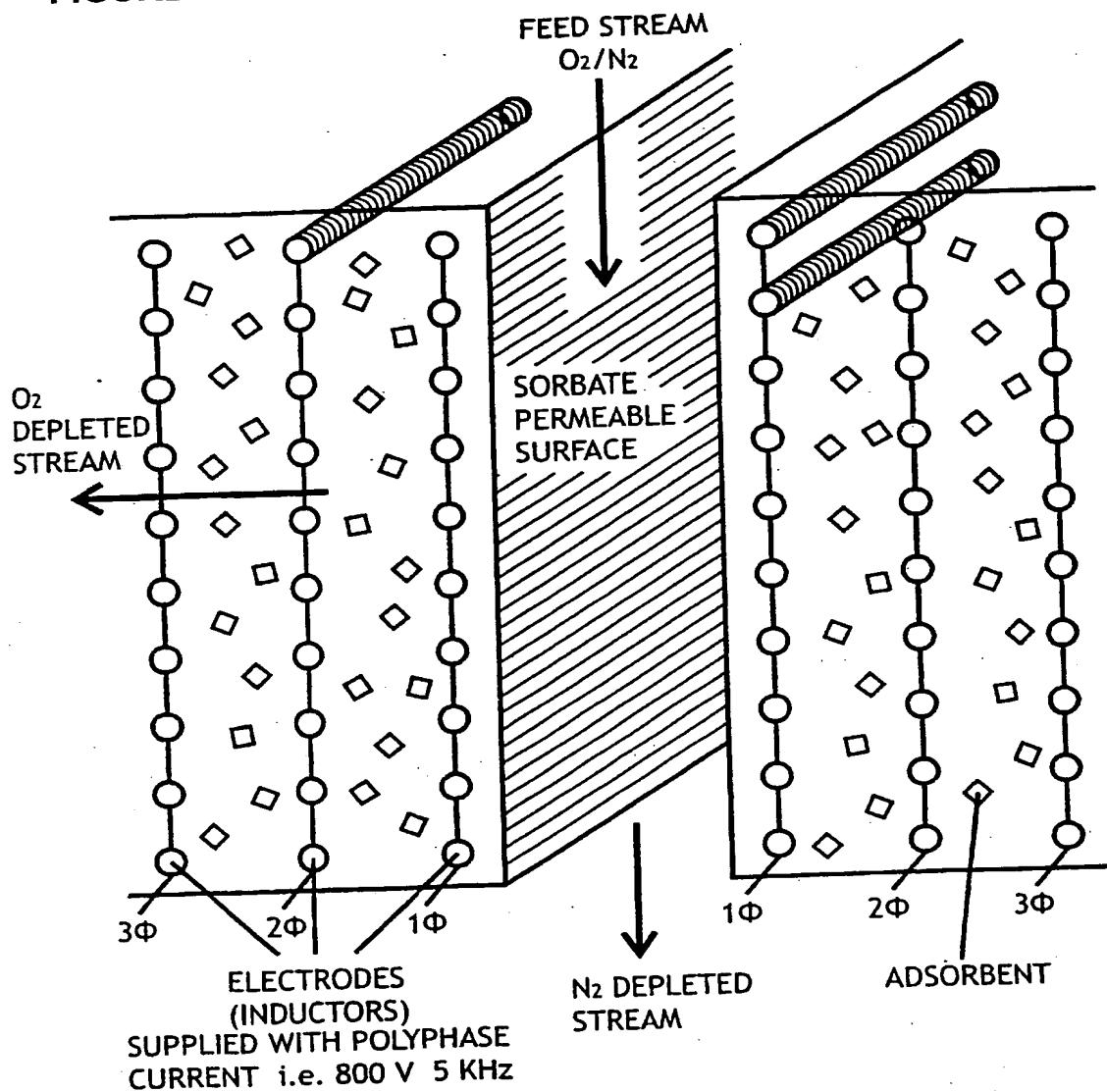
FIGURE 12



ELECTRO KINETICALLY ASSISTED SORPTION MEMBRANE

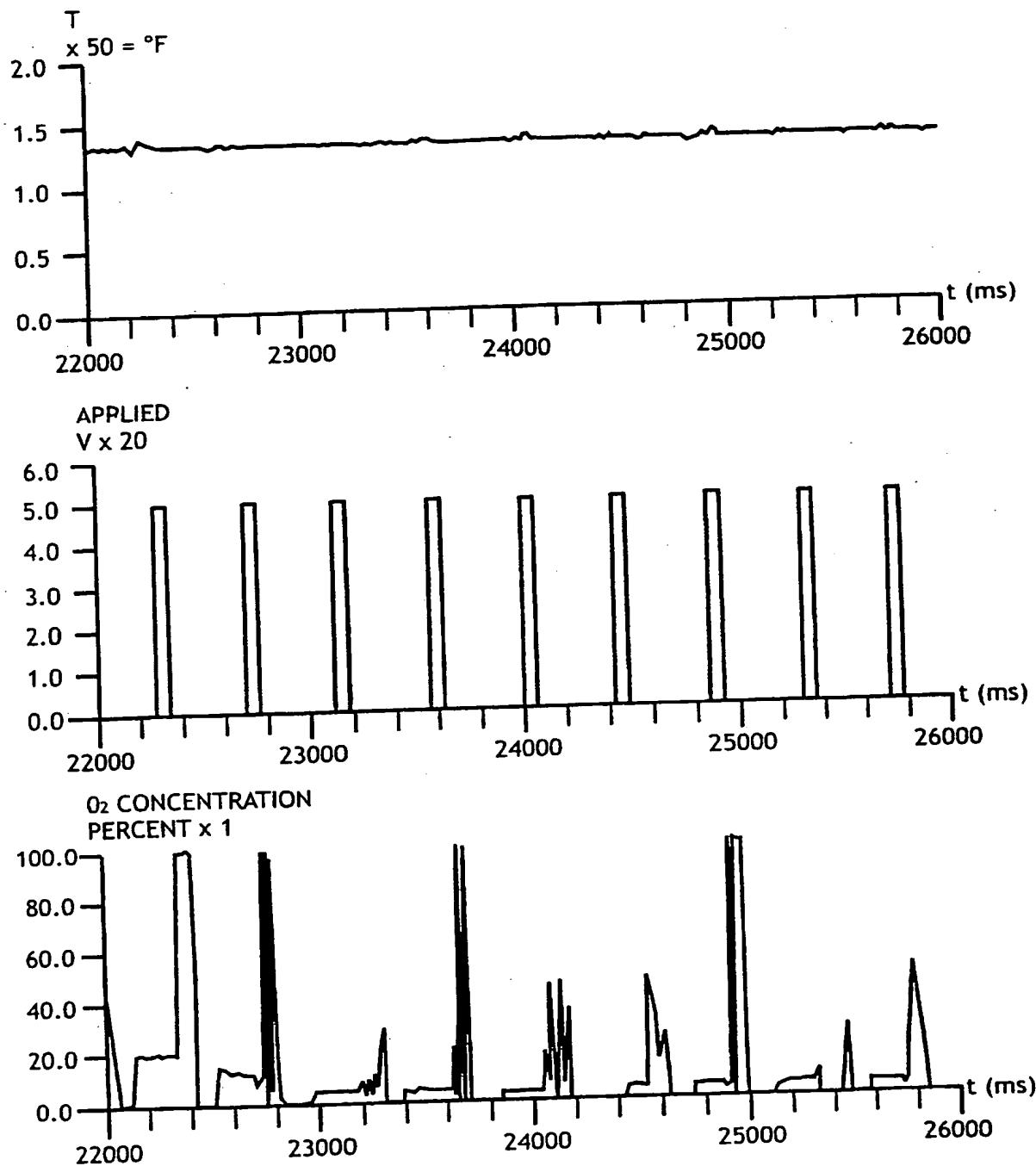
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FIGURE 13



ELECTRO KINETICALLY ASSISTED SORBATE DIFFUSION

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FIGURE 14

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PIEZO VALVE

FIGURE 15A

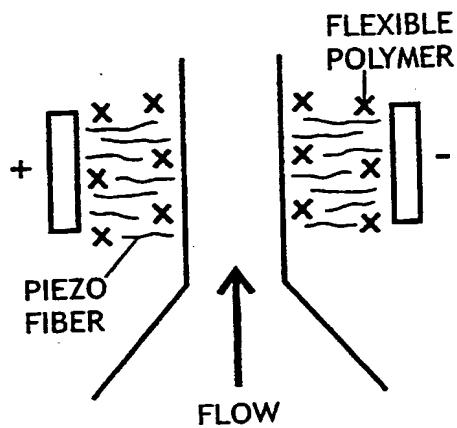
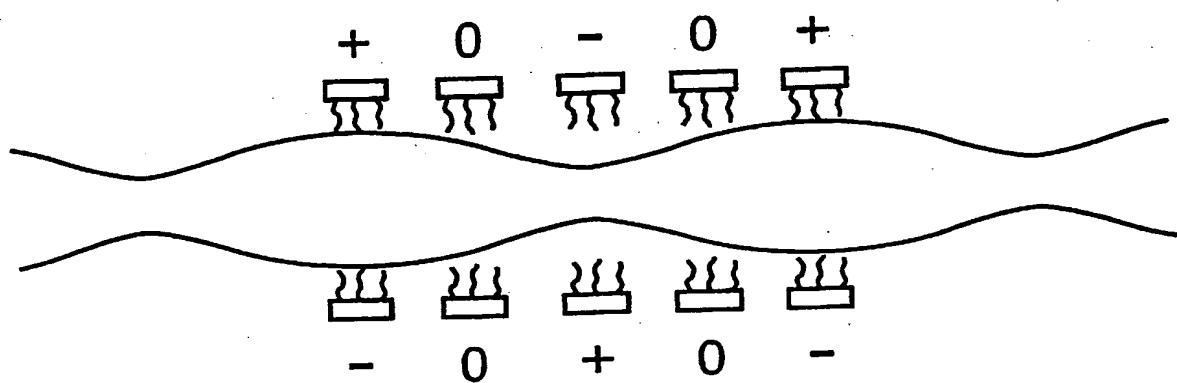
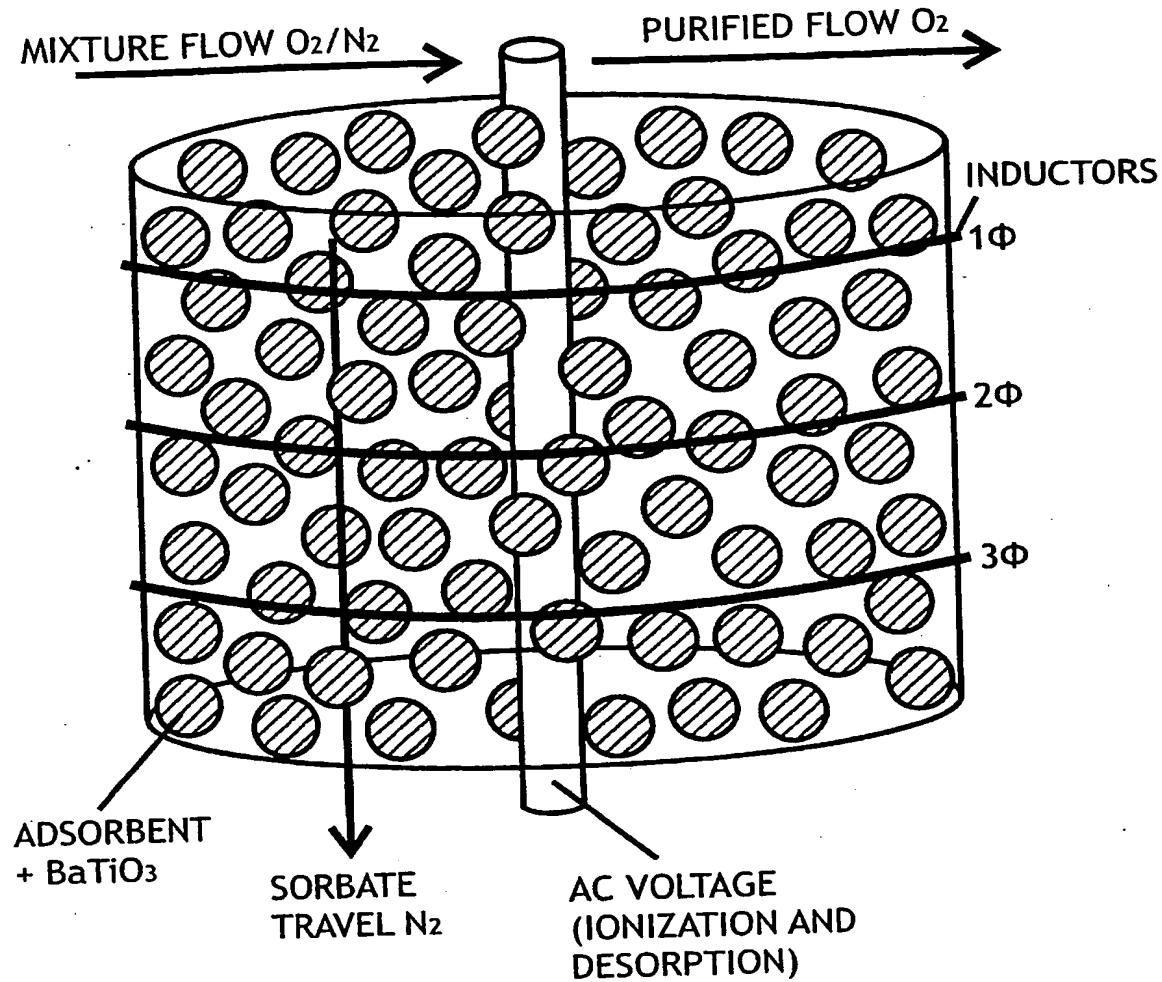


FIGURE 15B

3 PHASE PIEZO PUMP

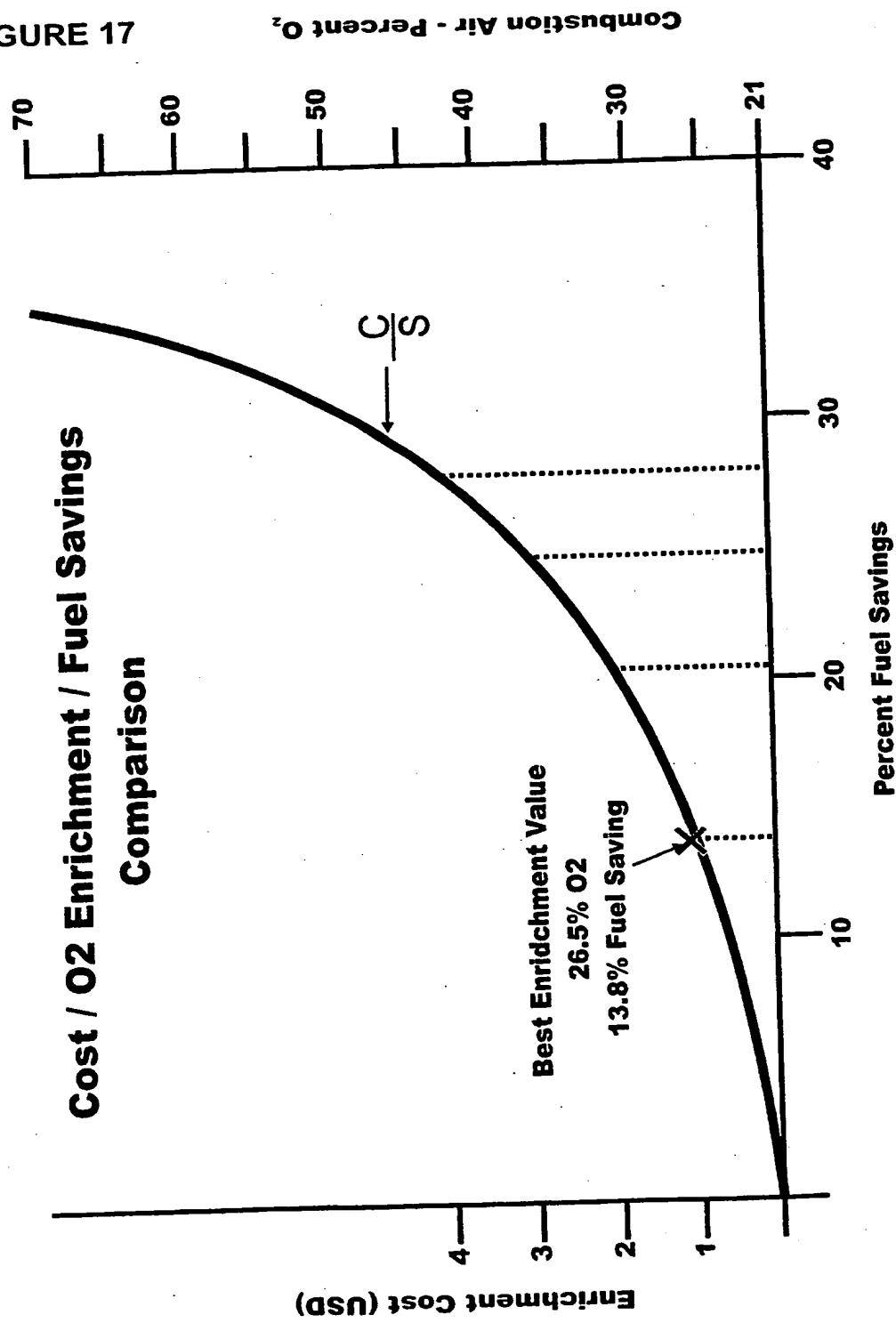


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FIGURE 16

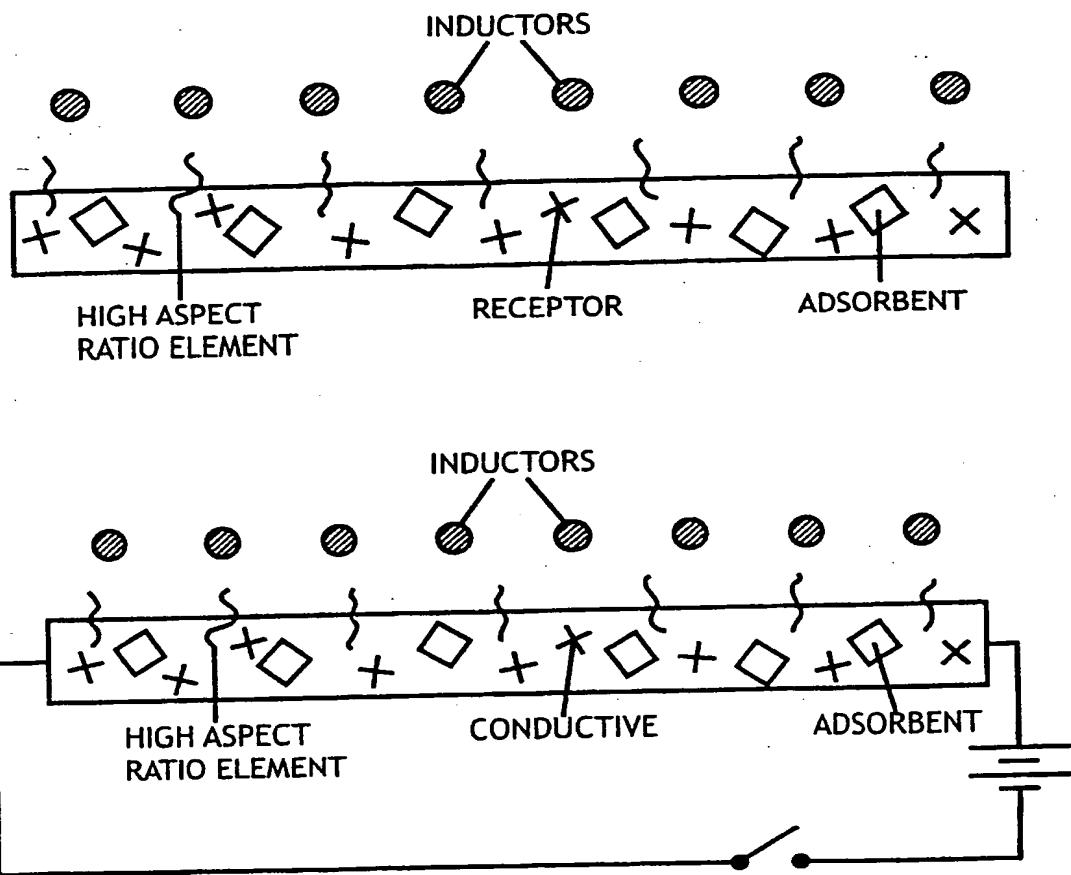
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FIGURE 17



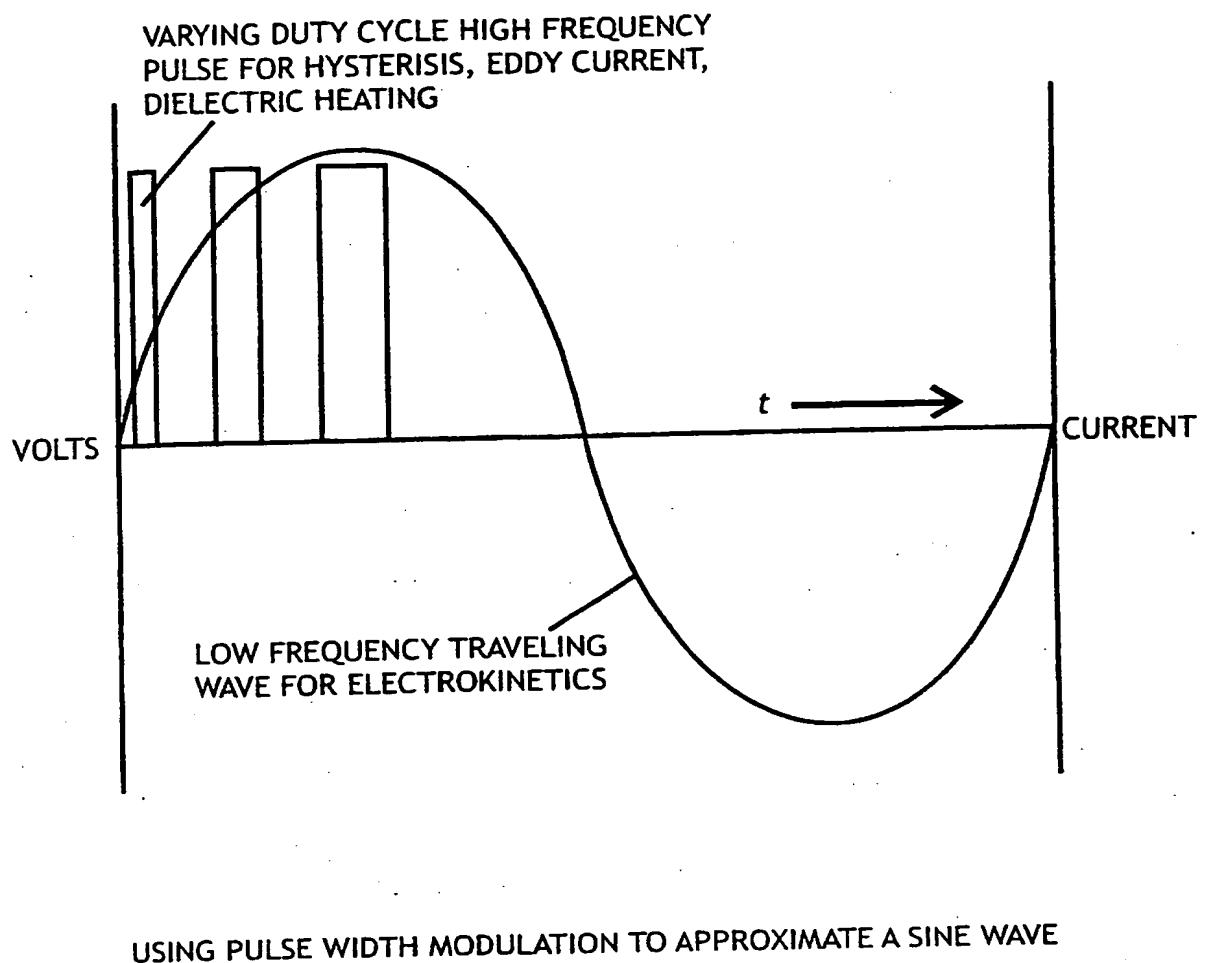
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FIGURE 18

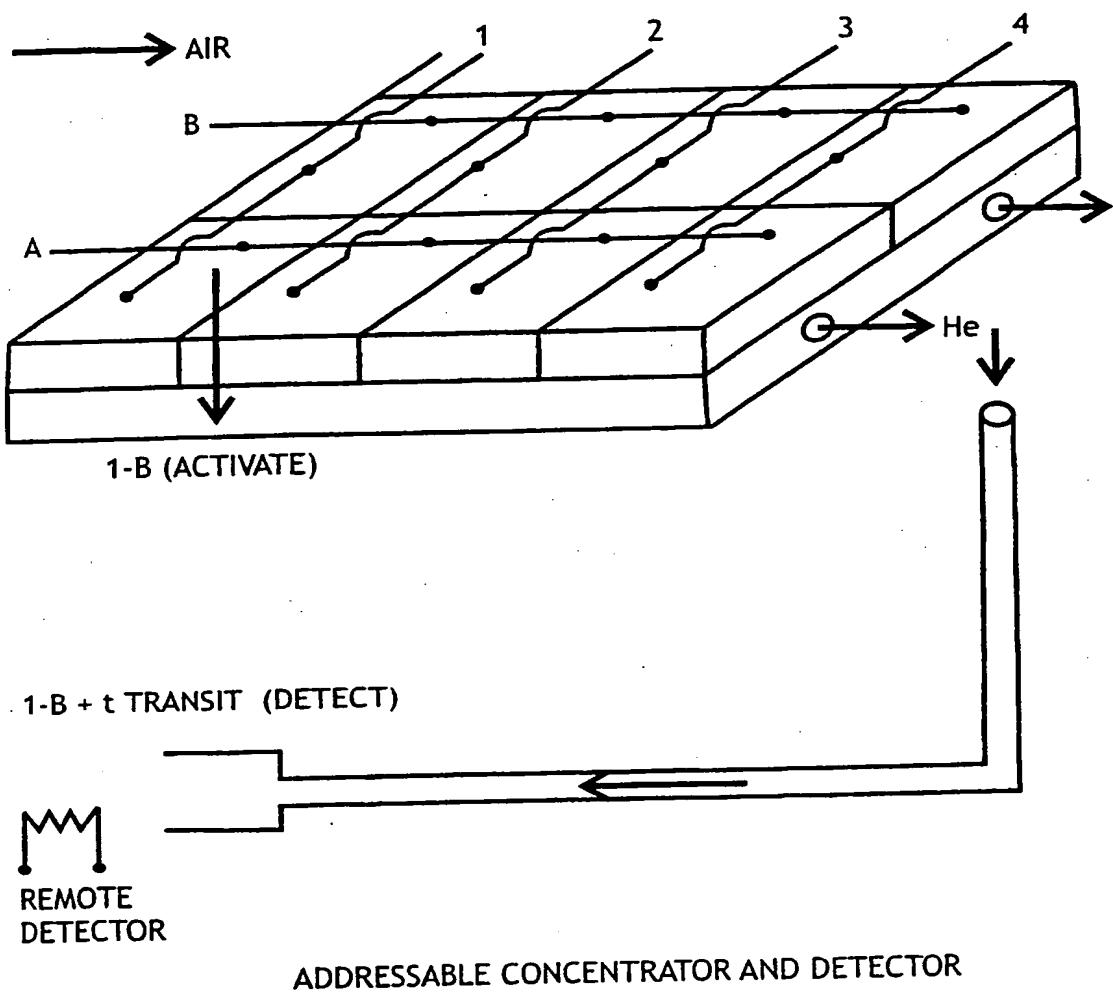


HIGH ASPECT RATIO ELEMENTS AS FIELD CONCENTRATORS FOR IONIZATION

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FIGURE 19

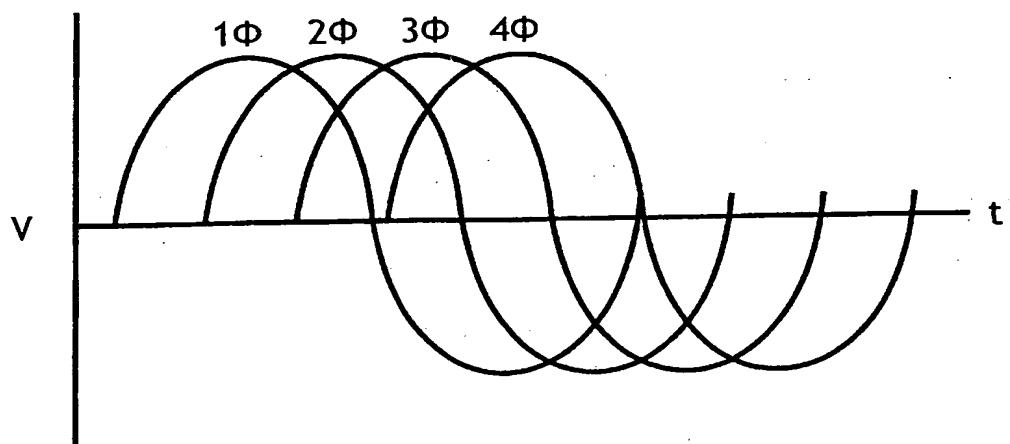
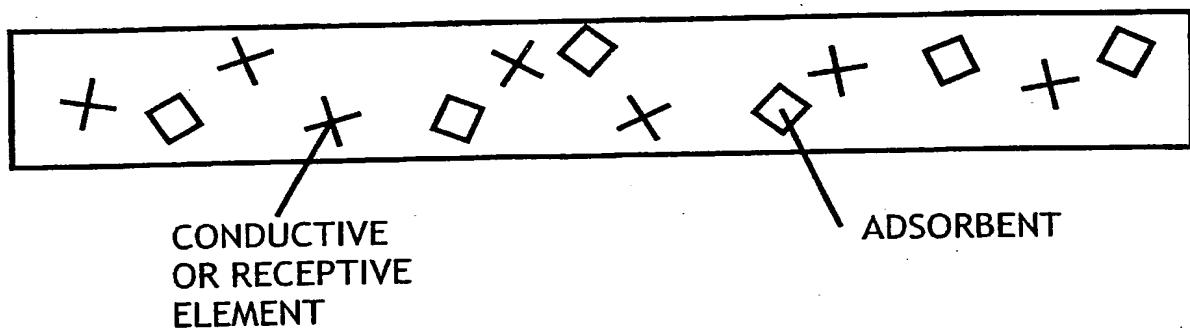
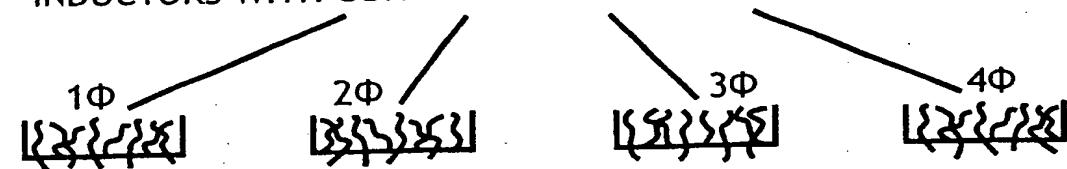
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FIGURE 20

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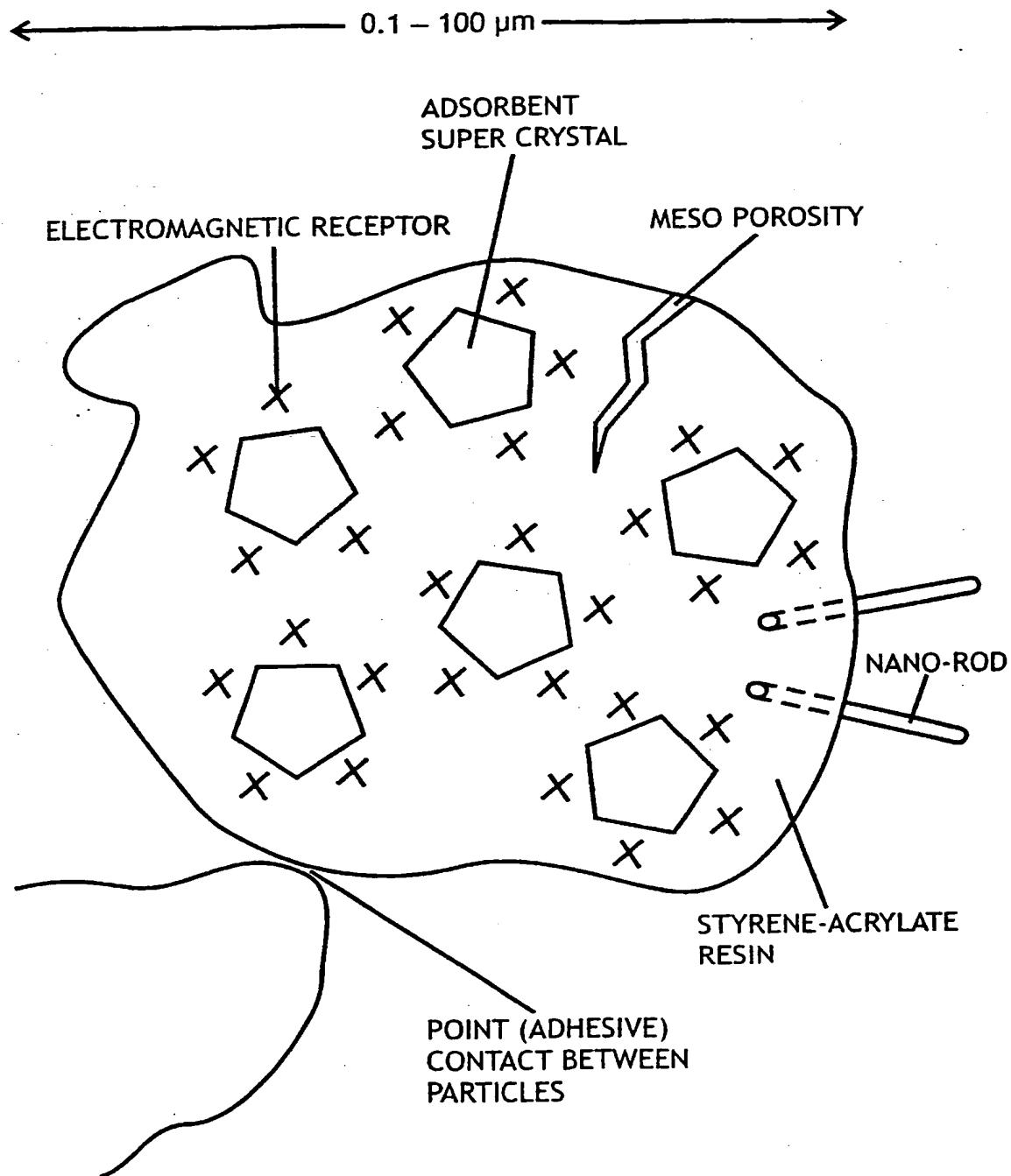
FIGURE 21

INDUCTORS WITH CONDUCTIVE HIGH ASPECT RATIO ELEMENT



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FIGURE 22



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